



## MEETING MINUTES

<b>PROJECT:</b> Water Treatment Plant	<b>PAGE:</b> 1 of 2
<b>OWNER:</b> City of Long Beach	<b>PROJECT NUMBER:</b> 08856
<b>MEETING DATE:</b> 9/28/10	<b>CONTRACTOR:</b> Rotschy, Inc.

**PRESENT:** Rick Gray, City of Long Beach  
Casey Danforth, Rotschy, Inc.  
Darin Kysar, Rotschy, Inc.  
Dan Naughton, PACE Engineers, Inc.

**1. COMMENTS ON PREVIOUS MEETING:**

- No discussion.

**2. SCHEDULE:**

- No discussion.

**3. SUBMITTALS:**

- No discussion.

**4. RFI'S:**

- The radio telemetry (RFI #35) was discussed. The radio telemetry should be installed as proposed by RFI #35. PACE will revise our response and redistribute this RFI.

**5. PROPOSED CHANGE ORDERS:**

- PACE will coordinate with the City regarding the timing and processing of the next change order. This will now include the cost increase associated with the radio telemetry installation as well as the overhead doors (see below under Construction Issues).

**6. CONSTRUCTION ISSUES:**

- The CMU was discussed. The CMU is now complete, however, the north and south walls were constructed 8" too high. The east and west gable wall peak elevations are per plan elevation. The consequence is that the roof rake was constructed shallower than the design. This issue was discovered when the roof truss installation began revealing the difference in design roof rake of the trusses versus the incorrect roof rake of the CMU on the east and west gable walls. PACE's structural engineer, Larry Liu participated in a conference call to discuss alternative corrective actions. The alternative chosen will utilize the existing CMU and steel trusses and will require the addition of structural steel along the top bearing plate of the gable end walls to revise the roof rake back to design. PACE will run further calculations and develop details for this corrective measure and will distribute by the end of this week. This corrective measure alternative will minimize the schedule impact and will allow Rotschy to begin roof installation next week.
- The roof moisture barrier was discussed. The plans call out for 15# felt. The roofer is proposing to use ice & water shield in lieu of the felt. The City is on board with this revision pending further information from Rotschy including cost and warranty impacts, if any.
- The locations of the PALL skids and associated housekeeping pads were discussed. The AP6 skid locations should be held (see the attached dimensioned exhibit for details). The RF and feed tank housekeeping pad locations should be revised in accordance with the PALL submittal. The CHN skid hot water tank housekeeping pad should be installed as shown on Sheet P1 to avoid conflicts with the nearby pipe trench.
- The pipe trench layout and pipe trench grating were discussed. All parties agreed upon the revised pipe trench piping and grating layouts provided by PACE on the attached exhibits. PACE will forward the grating layout to the grating manufacturer in CAD.
- The overhead doors will be revised from standard lift to high lift, providing approximately 3 to 4 feet of additional clearance at the overhead doors. The cost increase will be \$200 prior to Rotschy's markup.
- Sheet C5 was discussed. Storm line 85 will discharge into air gap manhole 56. Storm line 69 has been relocated to the east of the WTP pipe trench. Storm line 69 will discharge into air gap manhole 24. Air



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gap manhole 86 will be repositioned in line with air gap manholes 56 and 24. Rotschy will revise the CIP and EFM drain lines accordingly and maintaining the specified minimum slope of 0.8%. Rotschy will add boulder slope protection upslope of the air gap manholes.

**7. CONTRACTOR CONCERNS:**

- No discussion.

**8. ENGINEER / CITY CONCERNS:**

- No discussion.

**9. Q & A:**

- No discussion.

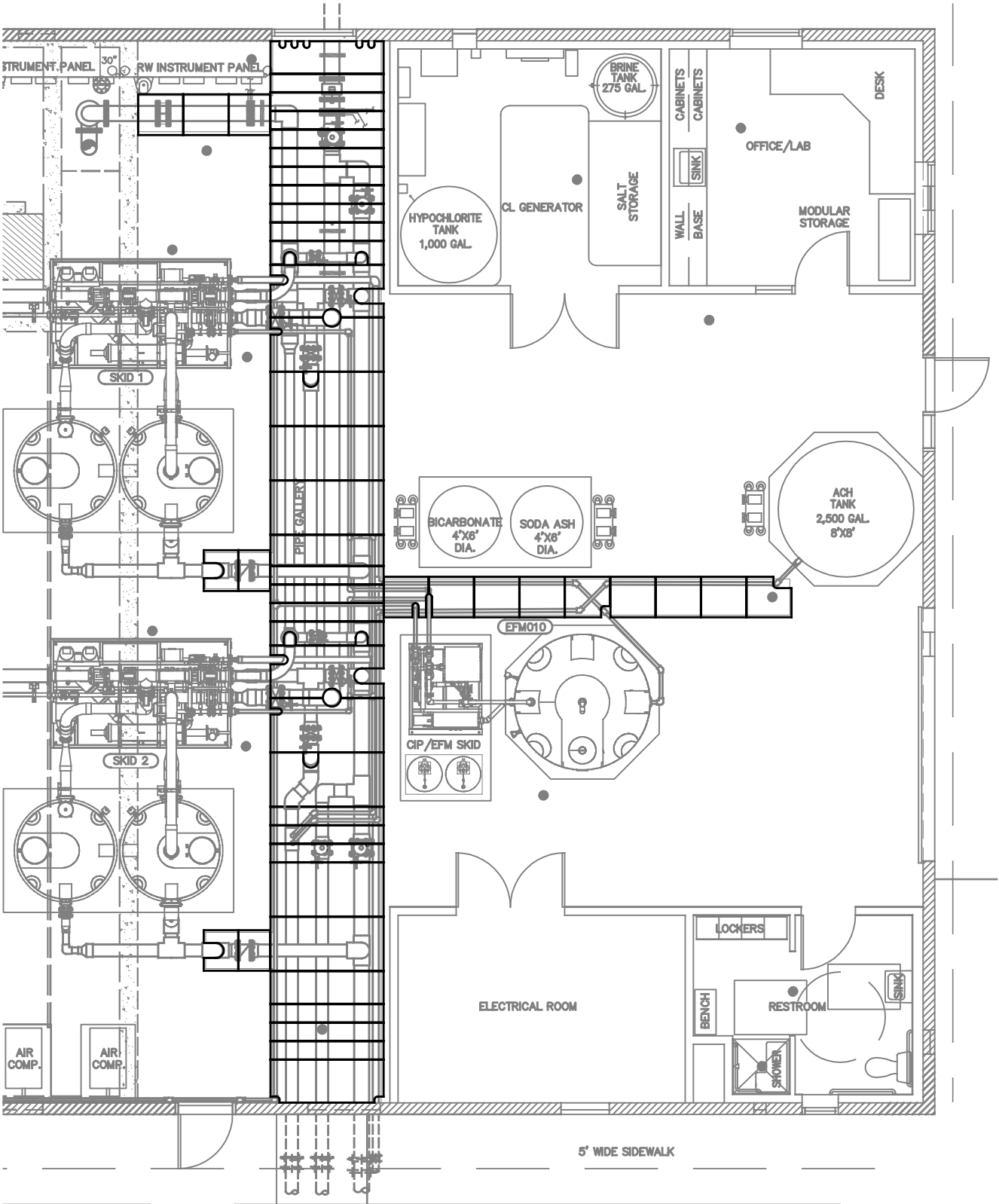
FILE NAME: P:\P08\08856 - CITY OF LONG BEACH WA - WATER TREATMENT PLANT\CAD\SHEETS\PROCESS PIPING PLAN SHEETS\PO8856-P1 GRATING PLAN.DWG

SAVE TIME: 9/27/2010 2:21:43 PM

PLOT TIME: 9/27/2010 3:40 PM

USER NAME: DAN NAUGHTON

XREF FILES: X-08856-PROCESS PIPING (REF ONLY) X-08856-34X22-BDR



SCALE: 1/8" = 1'

DESIGNED DJN  
DRAWN BAS  
CHECKED JRS  
DATE 9/27/10  
SCALE \_\_\_\_\_

**CITY OF LONG BEACH**  
**WATER TREATMENT PLANT**  
**PIPE TRENCH GRATING EXHIBIT**



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JOB NUMBER  
**08856**

SHEET NAME

SHEET 1 OF 1

